

Parmachenee Lake area

Sup: Gray-green arenaceous limestone. Wellbedded calcareous sand alternating with limestone or shelly layers. Pit weathering. Ludlow shelly fauna. Sul: Light gray, tan weathering silty limestone.

Gray to gray green, pebble to cobble quartz and quartzite conglomerate; coarse-grained quartzite; interbedded quartzite and darkgray slate. Sqp: minor polymict conglomer-

Light- to dark-gray or green argillite, minor dark-green felsite and tuff(?).

Thrasher Peaks area

Sus: Dark-gray, well-bedded slate and feldspathic quartsite.

Sul: Light gray, coarse- to medium-grained, fragmental limestone. Ludlow (?) shelly fauna.

Sq: Dark-gray or green, pebble to cobblepolymict conglomerate; dark-gray silt to coarse-sand matrix.

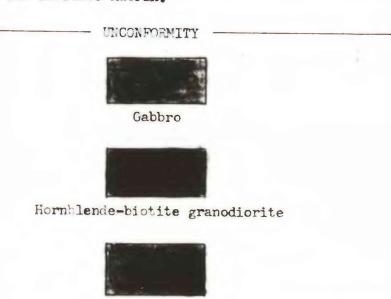


Davis Town area

Sun: Dark-gray, white to light-gray weathering, slate with interbedded feldspathic quartzite. Well-bedded, graded bedding common. Quartzite is calcareous and "pit weathering" near the base of the unit.

Slp: Dark-gray, boulder- to cobble-polymict conglomerate. Medium to coarse-grained sand matrix.

Slq: White-to light-gray, quartz pebble conglomerate, locally silicified. Yellow-reen, chlorite and sericite matrix.



umr: Serpentinite and serpentinized ultramafic rocks

md: Metadiorite

Kamankeag Formation

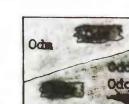
Ok: Predominantly risty-weathering black slate; minor calcareous lithic graywacke and massive greenstone. Fine-to medium grained, pyritic quartzite scattered in slate and increases in abundance near top of unit. Late Middle Ordovician graptolites.



Oquossoc Formation

greenstone.

Oos: Sulfidic black slate with minor amounts of thin-bedded, fine-grained feldspathic quartzite. Oov: - Dark-preen, massive to crudely foliated



Dixville Formation

Odm: Magalloway member; Dark-gray to graygreen feldspathic graywacke. Locally green or purplish-gray slate; green to tan, schistose felsite; minor black slat. Thin, discontinuous patches of quartzfeldspar granule conglomerate present

Odd: Dixie Brook member: Sulfidic black slat and phyllite; local patches and beds of light greenish-gray tuff(?). Odq; Thinto thick-hedded gray quartzite near the

Odv: Volcanic rocks: Massive to foliated gre stone and minor amounts of light-gray or green felsite. Pillow structures and agglomerate beds common in the volcanic rocks in the Magalloway member.



Albee Formation

Oal: Principal member: Green to gray-green slate and phyllite with interbedded light-gray weathering, greenish-gray, quartz-feldspar granulite and lightgray quartzite. Arenaceous beds contain "paperthin" micaceous laminae.

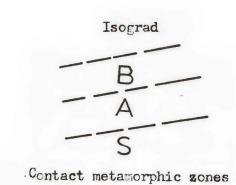
Oala: Asiscohos member: Green to purplish-gray slate and phyllite with abundant quartz pods and stringers. Locally quartz-feldspar granulite beds are present

in the phyllite. Scattered greenstone. Oalg: Black phyllite with minor amounts of feldspathic quartzite. Discontinuous patches of greenstone at contact with Oala.

Oalk: Kennebago member: Purple to purplish-gray and green slate and phyllite. "Pinstripe" granulite beds abundant. Minor greenstone. Patches of sulfidic black slate at contact with Oal.

U.S. Geological Survey OFEN FILE MAP This map is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.

1000-meter University Transperse Med sept groundes.

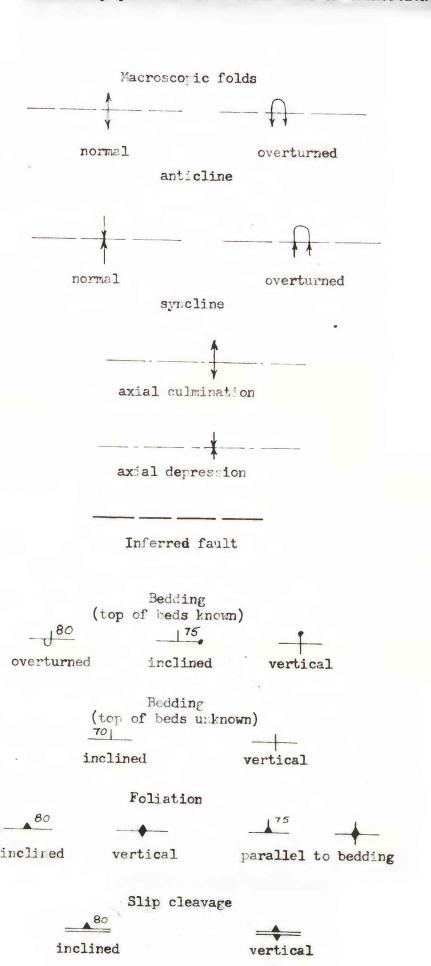


Biotite zone: Marked by first appearance of biotite in granulite and quartzite beds or in phyllite adjacent to quartz pods. Mn-rich garnet common in quartz pods and calcareous granulite beds. Foliation distinct in pelitic rocks.

Andalusite zone: Marked by presence of fine needles or coarse laths of andalusite in the pelitic rocks. (uartz, muscovite, biotite, andalusite, cordierite, plagicclase, and magnetite are common phases. Relict foliation recognizable locally in recrystallized, maculose hornfels.

Sillimanite zone: Marked by the first appearance of sillimanite in the pelitic rocks. Difficult to recognize in hand specimen but generally accompanied by pronounced muscovite porphyroblasts in a fine- to medium-grained. completely recrystallized hornfels. Foliation is absent. Quartz pods and stringers are common in the pelitic rocks of the Albee Formation.

Contact Dashed where approximately located, dotted where inferred, querried where broad zone of transition.



Geology mapped in the summers of 1963, 1964, and 1965 by David S. Harwood assisted by C. Eastwood, H. Day, C. Thayer, N. Dion, and

Fossil locality

GEOLOGIC MAP OF THE CUPSUPTIC QUADRANGLE, MAINE

CONTOUR INTERVAL 20 FEFT

DATUM IS MEAN SEA LEVEL

HEHHILL F- -T ITHER

SCALE 1:48,000

· (Arnold Pond)

DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Mary CHANGE REHanger and

ROAD CLASSIFICATION

Unimicroved dirt

Light-duty

State Rolle

APPROXIMATE MEAN

DECLINATION, 1931